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APPLICANT : NIPPON PAINT CO LTD;

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TITLE : DISPERSION COMPOSITION FOR ELECTROPHORESIS DISPLAY DEVICE

ABSTRACT : PURPOSE: To obtain a dispersion compsn. having a long life without uneven display by dispersing and dissolving the pigment particles coated with a self-curing resin having the characteristic to be electrified positive as electrophoretic particles as well as long- chain monocarboxylic acid and anionic surface active agent into an org. dispersant.

CONSTITUTION: A compsn. prepd. by dispersing and dissolving the electrophoretic particles A prepd. by coating TiO_2 or colorable org. or inorg. pigment particles with a self-curing resin having the group which possesses proton site when dissociated, that is, the characteristic to be electrified positive, for example, an alkylated melamine resin, alkylated urea resin, etc. which cure without a catalyst, more particularly alkylated methylomelamine resin and aliphat. monocarboxylic acid of 12~24C in order to improve the positive electrification characteristic of the particles A together with an anionic surface active agent for the stable dispersion of the particles A in an insulating inert org. dispersant, for example, arom. or alicyclic hydrocarbon is prepd. The dispersion for an electrophoresis display element which has good contrast, excellent dispersion stability of the particles A, decreases power consumption and has high liquid resistance is thus obtd.